

## REMARKS

In view of the preceding amendments and the comments which follow, and pursuant to 37 C.F.R. § 1.111, amendment and reconsideration of the Official Action of July 6, 2004 is respectfully requested by Applicant.

### Summary

Claims 1 – 5 stand rejected. Claims 1 – 4 are amended. The specification has been amended. No new matter has been introduced as a result of these amendments.

Claims 1 – 5 are pending following entry of the present amendments and remarks.

### Rejection under 35 U.S.C. § 112

The Examiner has rejected Claims 1 – 5 under 35 U.S.C. 112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. Specifically, the Examiner points to the indefiniteness of the phrasing “Galois field)” found in line 3 of Claim 1. Applicant has amended Claim 1 by substituting the above mentioned indefinite phrasing with “Galois field”.

Further, Applicant has corrected a typographical error by substituting the power of X, namely (m-2), in the second term of the below listed G(x) expression with the following of power of X, namely (m-1), as follows:

$$G_{(x)} = g_m x^m + g_{m-1} x^{m-1} + g_{m-2} x^{m-2} + \dots + g_{p+1} x^{p+1} + g_p x^p + \dots + g_0$$

In addition, Applicant has added a period at the end of Claim 3, as well as the missing expression in Claim 4 that calculates the symbols  $S_0, S_1, S_2, \dots$ , and  $S_{n-k-1}$ .

As such, Applicant submits that the respective indefiniteness of Claims 1 - 4 has been removed, and as stated by the Examiner, Claims 1 – 5 are now allowable. Thus, Applicant respectfully requests that the rejections under 35 U.S.C. 112 be withdrawn.

### CONCLUSION

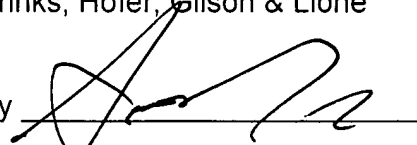
Applicants submit that this application is now in condition for allowance, and favorable reconsideration of this application in view of the above amendments and remarks is respectfully requested. Allowance of Claims 1- 5 at an early date is earnestly solicited. If, there are additional fees due, Applicant requests that this paper constitutes any necessary petition and authorizes the Commissioner to charge any underpayment, or credit any overpayment, to Deposit Account No. 23-1925.

If the examiner finds that there are any outstanding issues which may be resolved by a telephone interview, the Examiner is invited to contact the undersigned at the below listed number

Respectfully submitted,

Brinks, Hofer, Gilson & Lione

By

A handwritten signature in black ink, appearing to read 'Gustavo Siller, Jr.', is written over a horizontal line.

Gustavo Siller, Jr.

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